

Table 2-2. Species Included in Survey and Manage Standards and Guidelines and Category Assignment Under Each Alternative.					
TAXA GROUP <i>Species</i>	<i>Note:</i> Where taxon has more than one name indicated, first name is current accepted name, second one (in parentheses) is name used in NFP (Table C-3).	Category by Alternative			
		No-Action	Alt. 1	Alt. 2	Alt. 3
FUNGI					
<i>Acanthophysium farlowii</i> (<i>Aleurodiscus farlowii</i>)		1, 3	1B	2B	3A
<i>Albatrellus avellaneus</i>		1, 3	1B	2B	3A
<i>Albatrellus caeruleoporus</i>		1, 3	1B	2B	3A
<i>Albatrellus ellisii</i>		3	1B	2B	3A
<i>Albatrellus flettii</i>		3	1B	2B	3A
<i>Alpova alexsmithii</i>		1, 3	1B	2B	3A
<i>Alpova olivaceotinctus</i>		1, 3	1B	2B	3A
<i>Arcangeliella camphorata</i> (<i>Arcangeliella</i> sp. nov. #Trappe 12382; <i>Arcangeliella</i> sp. nov. #Trappe 12359)		1, 3	1B	2B	3A
<i>Arcangeliella crassa</i>		1, 3	1B	2B	3A
<i>Arcangeliella lactarioides</i>		1, 3	1B	2B	3A
<i>Asterophora lycoperdoides</i>		3	1B	2B	3A
<i>Asterophora parasitica</i>		3	1B	2B	3A
<i>Baeospora myriadophylla</i>		3	1B	2B	3A
<i>Balsamia nigrens</i> (<i>Balsamia nigra</i>)		1, 3	1B	2B	3A
<i>Boletus haematinus</i>		1, 3	1B	2B	3A
<i>Boletus pulcherrimus</i>		1, 3	1B	2B	3A
<i>Bondarzewia mesenterica</i> (<i>Bondarzewia montana</i>)		1, 2, 3	1B	2B	3A
<i>Bridgeoporus nobilissimus</i> (<i>Oxyporus nobilissimus</i>)		1, 2, 3	1A	2A	3A
<i>Bryoglossum gracile</i>		1, 3	Off ²	Off ²	Off ²
<i>Cantharellus cibarius</i>		3, 4	Off	Off	Off
<i>Cantharellus formosus</i>		1, 3	Off	Off	Off
<i>Cantharellus subalbidus</i>		3, 4	1D	2D	3B
<i>Catathelasma ventricosa</i>		3	1B	2B	3A
<i>Chalciporus piperatus</i> (<i>Boletus piperatus</i>)		3	1D	2D	3B
<i>Chamonixia caespitosa</i> (<i>Chamonixia pacifica</i> sp. nov. #Trappe #12768)		1, 3	1B	2B	3A
<i>Choiromyces alveolatus</i>		1, 3	1B	2B	3A
<i>Choiromyces venosus</i>		1, 3	1B	2B	3A
<i>Chromosera cyanophylla</i> (<i>Mycena lilacifolia</i>)		3	1B	2B	3A
<i>Chroogomphus loculatus</i>		1, 3	1B	2B	3A
<i>Chrysomphalina grossula</i>		3	1B	2B	3A

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		No-Action	Alt. 1	Alt. 2	Alt. 3
FUNGI (continued)					
<i>Clavariadelphus borealis</i>		3, 4	Off	Off	Off
<i>Clavariadelphus ligula</i>		3, 4	1B	2B	3A
<i>Clavariadelphus lovejoyae</i>		3, 4	Off	Off	Off
<i>Clavariadelphus occidentalis</i> (<i>Clavariadelphus pistillaris</i>)		3, 4	1B	2B	3A
<i>Clavariadelphus sachalinensis</i>		3, 4	1B	2B	3A
<i>Clavariadelphus subfastigiatus</i>		3, 4	1B	2B	3A
<i>Clavariadelphus truncatus</i> (syn. <i>Clavariadelphus borealis</i>)		3, 4	1B	2B	3A
<i>Clavicornia piperata</i> (<i>Clavicornia avellanea</i>)		3	Off	Off	Off
<i>Clavulina castanopes</i> v. <i>lignicola</i> (<i>Clavulina ornatipes</i>)		3, 4	1B	2B	3A
<i>Clavulina cinerea</i>		3, 4	Off	Off	Off
<i>Clavulina cristata</i> (syn. <i>C. cinerea</i>)		3, 4	Off	Off	Off
<i>Clitocybe senilis</i>		1, 3	1B	2B	3A
<i>Clitocybe subditopoda</i>		1, 3	1B	2B	3A
<i>Collybia bakerensis</i>		1, 3	1B	2B	3A
<i>Collybia racemosa</i>		3	1B	2B	3A
<i>Cordyceps capitata</i>		3	1B	2B	3A
<i>Cordyceps ophioglossoides</i>		3	1B	2B	3A
<i>Cortinarius barlowensis</i> (syn. <i>Cortinarius azureus</i>)		3	1B	2B	3A
<i>Cortinarius boulderensis</i>		1, 3	1B	2B	3A
<i>Cortinarius cyanites</i>		3	1B	2B	3A
<i>Cortinarius depauperatus</i> (<i>Cortinarius spilomeus</i>)		3	1B	2B	3A
<i>Cortinarius magnivelatus</i>		1, 3	1B	2B	3A
<i>Cortinarius olympianus</i>		1, 3	1B	2B	3A
<i>Cortinarius speciosissimus</i> (<i>Cortinarius rainierensis</i>)		1, 3	1B	2B	3A
<i>Cortinarius tabularis</i>		3	1B	2B	3A
<i>Cortinarius umidicola</i> (<i>Cortinarius canabarbata</i>)		1, 3	1B	2B	3A
<i>Cortinarius valgis</i>		3	1B	2B	3A
<i>Cortinarius variipes</i>		1, 3	1B	2B	3A
<i>Cortinarius verrucisporus</i>		1, 3	1B	2B	3A
<i>Cortinarius wiebeae</i>		1, 3	1B	2B	3A

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		No-Action	Alt. 1	Alt. 2	Alt. 3
FUNGI (continued)					
<i>Craterellus tubaeformis</i> (syn. <i>Cantharellus tubaeformis</i>)		3, 4	1D	2D	3B
<i>Cudonia monticola</i>		3	1B	2B	3A
<i>Cyphellostereum laeve</i>		3	1B	2B	3A
<i>Dermocybe humboldtensis</i>		1, 3	1B	2B	3A
<i>Destuntzia fusca</i>		1, 3	1B	2B	3A
<i>Destuntzia rubra</i>		1, 3	1B	2B	3A
<i>Dichostereum boreale</i> (<i>Dichostereum granulosum</i>)		1, 3	1B	2B	3A
<i>Elaphomyces anthracinus</i>		1, 3	1B	2B	3A
<i>Elaphomyces subviscidus</i>		1, 3	1B	2B	3A
<i>Endogone acrogena</i>		1, 3	1B	2B	3A
<i>Endogone oregonensis</i>		1, 3	1B	2B	3A
<i>Entoloma nitidum</i> (<i>Rhodocybe nitida</i>)		1, 3	1B	2B	3A
<i>Fayodia bisphaerigera</i> (<i>Fayodia gracilipes</i>)		3	1B	2B	3A
<i>Fevansia aurantiaca</i> (<i>Alpova</i> sp. nov. # Trappe 1966) (<i>Alpova aurantiaca</i>)		1, 3	1B	2B	3A
<i>Galerina atkinsoniana</i>		3	1B	2B	3A
<i>Galerina cerina</i>		3	1B	2B	3A
<i>Galerina heterocystis</i>		3	1E	2C	3A
<i>Galerina sphagnicola</i>		3	1E	2C	3A
<i>Galerina vittaeformis</i>		3	1B	2B	3A
<i>Gastroboletus imbellus</i>		1, 3	1B	2B	3A
<i>Gastroboletus ruber</i>		1, 3	1B	2B	3A
<i>Gastroboletus subalpinus</i>		1, 3	1B	2B	3A
<i>Gastroboletus turbinatus</i>		3	1B	2B	3A
<i>Gastroboletus vividus</i> (<i>Gastroboletus</i> sp. nov. #Trappe 2897; <i>Gastroboletus</i> sp. nov. #Trappe 7515)		1, 3	1B	2B	3A
<i>Gastrosuillus amaranthii</i> (<i>Gastrosuillus</i> sp. nov. #Trappe 9608)		1, 3	1E	2C	3A
<i>Gastrosuillus umbrinus</i> (<i>Gastroboletus</i> sp. nov. #Trappe 7516)		1, 3	1B	2B	3A
<i>Gautieria magnicellaris</i>		1, 3	1B	2B	3A
<i>Gautieria otthii</i>		1, 3	1B	2B	3A
<i>Gelatinodiscus flavidus</i>		1, 3	1B	2B	3A
<i>Glomus radiatus</i>		1, 3	1B	2B	3A

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FUNGI (continued)					
<i>Gomphus bonarii</i>		3	1B	2B	3A
<i>Gomphus clavatus</i>		3	1B	2B	3A
<i>Gomphus floccosus</i> , In Oregon and Washington		3	Off	Off	Off
<i>Gomphus floccosus</i> , In California		3	1F	2D	3C
<i>Gomphus kauffmanii</i>		3	1B	2B	3A
<i>Gymnomyces abietis</i> (<i>Gymnomyces</i> sp. nov. #Trappe 1690, 1706, 1710; <i>Gymnomyces</i> sp. nov. #Trappe 4703, 5576; <i>Gymnomyces</i> sp. nov. #Trappe 5052; <i>Gymnomyces</i> sp. nov. #Trappe 7545; <i>Martellia</i> sp. nov. #Trappe 1700; <i>Martellia</i> sp. nov. #Trappe 311; <i>Martellia</i> sp. nov. #Trappe 5903)		1, 3	1B	2B	3A
<i>Gymnomyces nondistincta</i> (<i>Martellia</i> sp. nov. #Trappe 649)		1, 3	1B	2B	3A
<i>Gymnopilus punctifolius</i>		1, 3	1B	2B	3A
<i>Gyromitra californica</i>		3, 4	1B	2B	3A
<i>Gyromitra esculenta</i>		3, 4	1F	2D	3C
<i>Gyromitra infula</i>		3, 4	1B	2B	3A
<i>Gyromitra melaleucoides</i>		3, 4	1B	2B	3A
<i>Gyromitra montana</i> (<i>Gyromitra gigas</i>)		3, 4	1F	2D	3C
<i>Hebeloma olympianum</i> (<i>Hebeloma olympiana</i>)		1, 3	1B	2B	3A
<i>Helvella compressa</i>		1, 3	Off	Off	Off
<i>Helvella crassitunicata</i>		1, 3	1B	2B	3A
<i>Helvella elastica</i>		1, 3	1B	2B	3A
<i>Helvella maculata</i>		1, 3	1B	2B	3A
<i>Hydnotrya inordinata</i> (<i>Hydnotrya</i> sp. nov. #Trappe 787, 792)		1, 3	1B	2B	3A
<i>Hydnotrya subnix</i> (<i>Hydnotrya subnix</i> sp. nov. #Trappe 1861)		1, 3	1B	2B	3A
<i>Hydnum repandum</i>		3	Off	Off	Off
<i>Hydnum umbilicatum</i>		3	1B	2B	3A
<i>Hydropus marginellus</i> (<i>Mycena marginella</i>)		3	1B	2B	3A
<i>Hygrophorus caeruleus</i>		1, 3	1B	2B	3A
<i>Hygrophorus karstenii</i>		3	1B	2B	3A
<i>Hygrophorus vernalis</i>		1, 3	1B	2B	3A
<i>Hypomyces luteovirens</i>		3	1B	2B	3A

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FUNGI (continued)					
<i>Leucogaster citrinus</i>		1, 3	1B	2B	3A
<i>Leucogaster microsporus</i>		1, 3	1B	2B	3A
<i>Macowanites chlorinosmus</i>		1, 3	1B	2B	3A
<i>Macowanites lymanensis</i>		1, 3	1B	2B	3A
<i>Macowanites mollis</i>		1, 3	1B	2B	3A
<i>Marasmius applanatipes</i>		1, 3	1B	2B	3A
<i>Martellia fragrans</i>		1, 3	1B	2B	3A
<i>Martellia idahoensis</i>		1, 3	1B	2B	3A
<i>Martellia maculata</i> (<i>Elaphomyces</i> sp. nov. #Trappe 1038)		1, 3	Off	Off	Off
<i>Martellia monticola</i>		1, 3	Off	Off	Off
<i>Mycena hudsoniana</i>		1, 3	1B	2B	3A
<i>Mycena monticola</i>		1, 3	1B	2B	3A
<i>Mycena overholtsii</i>		1, 3	1B	2B	3A
<i>Mycena quinaultensis</i>		1, 3	1B	2B	3A
<i>Mycena tenax</i>		3	1B	2B	3A
<i>Mythicomycetes corneipes</i>		3	1B	2B	3A
<i>Neolentinus adhaerens</i>		1, 3	1B	2B	3A
<i>Neolentinus kauffmanii</i>		1, 3	1B	2B	3A
<i>Neournula pouchetii</i>		1, 3	1B	2B	3A
<i>Nivatogastrium nubigenum</i>		1, 3	1B	2B	3A
<i>Octavianina cyanescens</i> (<i>Octavianina</i> sp. nov. #Trappe 7502)		1, 3	1B	2B	3A
<i>Octavianina macrospora</i>		1, 3	1B	2B	3A
<i>Octavianina papyracea</i>		1, 3	1B	2B	3A
<i>Omphalina ericetorum</i> (<i>Phytoconis ericetorum</i>)		3, 4	Off	Off	Off
<i>Otidea leporina</i>		3, PB	1B	2B	3A
<i>Otidea onotica</i>		3, PB	1F	2D	3C
<i>Otidea smithii</i>		1, 3, PB	1B	2B	3A
<i>Phaeocollybia attenuata</i>		3	1D	2D	3B
<i>Phaeocollybia californica</i>		1, 3	1B	2B	3A
<i>Phaeocollybia carmanahensis</i>		1, 3	Off	Off	Off
<i>Phaeocollybia dissiliens</i>		1, 3	1B	2B	3A

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FUNGI (continued)					
<i>Phaeocollybia fallax</i>		3	1D	2D	3B
<i>Phaeocollybia gregaria</i>		1, 3	1B	2B	3A
<i>Phaeocollybia kauffmanii</i>		1, 3	1D	2D	3B
<i>Phaeocollybia olivacea</i>		3	1B	2B	3A
<i>Phaeocollybia oregonensis</i> (syn. <i>Phaeocollybia carmanahensis</i>)		1, 3	1B	2B	3A
<i>Phaeocollybia piceae</i>		1, 3	1B	2B	3A
<i>Phaeocollybia pseudofestiva</i>		3	1B	2B	3A
<i>Phaeocollybia scatesiae</i>		1, 3	1B	2B	3A
<i>Phaeocollybia sipei</i>		1, 3	1B	2B	3A
<i>Phaeocollybia spadicea</i>		3	1B	2B	3A
<i>Phellodon atratus</i> (<i>Phellodon atratum</i>)		3	1B	2B	3A
<i>Pholiota albivelata</i>		1, 3	1B	2B	3A
<i>Pithya vulgaris</i>		1, 3	1D	2D	3B
<i>Plectania melastoma</i>		3	1F	2D	3C
<i>Plectania milleri</i>		1, 3	1B	2B	3A
<i>Podostroma alutaceum</i>		3	1B	2B	3A
<i>Polyozellus multiplex</i>		1, 3, PB	1B	2B	3A
<i>Pseudaleuria quinaultiana</i>		1, 3	1B	2B	3A
<i>Ramaria abietina</i>		3	1B	2B	3A
<i>Ramaria amyloidea</i>		1, 3	1B	2B	3A
<i>Ramaria araiospora</i>		1, 3	1B	2B	3A
<i>Ramaria aurantiisiccescens</i>		1, 3	1B	2B	3A
<i>Ramaria botryis</i> var. <i>aurantiiramosa</i>		1, 3	1B	2B	3A
<i>Ramaria celerivirescens</i>		1, 3	1B	2B	3A
<i>Ramaria claviramulata</i>		1, 3	1B	2B	3A
<i>Ramaria concolor</i> f. <i>marrii</i>		1, 3	1B	2B	3A
<i>Ramaria concolor</i> f. <i>tsugina</i>		3	1B	2B	3A
<i>Ramaria conjunctipes</i> var. <i>sparsiramosa</i> (<i>Ramaria fasciculata</i> var. <i>sparsiramosa</i>)		1, 3	1B	2B	3A
<i>Ramaria coulterae</i>		3	1B	2B	3A
<i>Ramaria cyaneigranosa</i>		1, 3	1B	2B	3A

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<i>Ramaria gelatiniaurantia</i>		1, 3	1B	2B	3A
<i>Ramaria gracilis</i>		1, 3	1B	2B	3A
<i>Ramaria hilaris</i> var. <i>olympiana</i>		1, 3	1B	2B	3A
<i>Ramaria largentii</i>		1, 3	1B	2B	3A
<i>Ramaria lorithamnus</i>		1, 3	1B	2B	3A
<i>Ramaria maculatipes</i>		1, 3	1B	2B	3A
<i>Ramaria rainierensis</i>		1, 3	1B	2B	3A
<i>Ramaria rubella</i> var. <i>blanda</i>		1, 3	1B	2B	3A
<i>Ramaria rubribrunnescens</i>		1, 3	1B	2B	3A
<i>Ramaria rubrievanescens</i>		1, 3	1B	2B	3A
<i>Ramaria rubripermanens</i>		1, 3	1B	2B	3A
<i>Ramaria spinulosa</i> var. <i>diminutiva</i> (<i>Ramaria spinulosa</i>)		1, 3	1B	2B	3A
<i>Ramaria stuntzii</i>		1, 3	1B	2B	3A
<i>Ramaria suecica</i>		3	1B	2B	3A
<i>Ramaria thiersii</i>		1, 3	1B	2B	3A
<i>Ramaria verlotensis</i>		1, 3	1B	2B	3A
<i>Rhizopogon abietis</i>		3	1B	2B	3A
<i>Rhizopogon atroviolaceus</i>		3	1B	2B	3A
<i>Rhizopogon brunneiniger</i>		1, 3	1B	2B	3A
<i>Rhizopogon chamaleontinus</i> (<i>Rhizopogon</i> sp. nov. #Trappe 9432)		1, 3	1B	2B	3A
<i>Rhizopogon ellipsosporus</i> (<i>Alpova</i> sp. nov. # Trappe 9730)		1, 3	1B	2B	3A
<i>Rhizopogon evadens</i> var. <i>subalpinus</i>		1, 3	1B	2B	3A
<i>Rhizopogon exiguus</i>		1, 3	1B	2B	3A
<i>Rhizopogon flavofibrillosus</i>		1, 3	1B	2B	3A
<i>Rhizopogon inquinatus</i>		1, 3	1B	2B	3A
<i>Rhizopogon parksii</i> (<i>Rhizopogon</i> sp. nov. #Trappe1692; <i>Rhizopogon</i> sp. nov. #Trappe 1698)		1, 3	Off	Off	Off
<i>Rhizopogon truncatus</i>		3	1D	2D	3B
<i>Rhodocybe speciosa</i>		1, 3	1B	2B	3A
<i>Rickenella swartzii</i> (<i>Rickenella setipes</i>)		3	1B	2B	3A
<i>Russula mustelina</i>		3	1B	2B	3A

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<i>Sarcodon fuscoindicus</i>		3	1B	2B	3A
<i>Sarcodon imbricatus</i>		3	1B	2B	3A
<i>Sarcosoma latahense</i> (<i>Plectania latahensis</i>)		1, 3	1B	2B	3A
<i>Sarcosoma mexicanum</i> , All of Oregon except Curry and Josephine Counties		3, PB	Off	Off	Off
<i>Sarcosoma mexicanum</i> , WA, CA, and Curry and Josephine Counties, OR		3, PB	1F	2D	3C
<i>Sarcosphaera coronaria</i> (<i>Sarcosphaera eximia</i>)		3	1B	2B	3A
<i>Sedecula pulvinata</i>		1, 3	1B	2B	3A
<i>Sowerbyella rhenana</i> (<i>Aleuria rhenana</i>)		1, 3, PB	1B	2B	3A
<i>Sparassis crispa</i>		3	1D	2D	3B
<i>Spathularia flavida</i>		3	1B	2B	3A
<i>Stagnicola perplexa</i>		3	1B	2B	3A
<i>Thaxterogaster pavelekii</i> (<i>Thaxterogaster</i> sp. nov. #Trappe 4867, 6242, 7427, 7962, 8520)		1, 3	1B	2B	3A
<i>Thaxterogaster pingue</i>		3	Off	Off	Off
<i>Tremiscus helvelloides</i> (syn. <i>Phlogiotis helvelloides</i>)		3, 4	1B	2B	3A
<i>Tricholoma venenatum</i>		1, 3	1B	2B	3A
<i>Tricholomopsis fulvescens</i>		1, 3	1B	2B	3A
<i>Tuber asa</i> (<i>Tuber</i> sp. nov. #Trappe 2302)		1, 3	1B	2B	3A
<i>Tuber pacificum</i> (<i>Tuber</i> sp. nov. #Trappe 12493)		1, 3	1B	2B	3A
<i>Tylopilus porphyrosporus</i> (<i>Tylopilus pseudoscaber</i>)		1, 3	1D	2D	3B
LICHENS					
<i>Bryoria pseudocapillaris</i>		1, 3	1B	2B	3A
<i>Bryoria spiralifera</i>		1, 3	1B	2B	3A
<i>Bryoria subcana</i> (syn. <i>Alectoria subcana</i>)		1, 3	1B	2B	3A
<i>Bryoria tortuosa</i> , WA Olympic Peninsula, WA Western Lowlands, WA Western Cascades, OR Western Cascades, OR Coast Range, OR Willamette Valley, and CA Coast Range Physiographic Provinces		1, 3	1A	2A	3A
<i>Bryoria tortuosa</i> , WA Eastern Cascades, OR Eastern Cascades, OR Klamath, CA Klamath, and CA Cascades Physiographic Provinces		1, 3	1D ¹	2D	3B ¹
<i>Buellia oidealea</i>		1, 3	1E	2C	3A

Table 2-2. Species Included in Survey and Manage Standards and Guidelines and Category Assignment Under Each Alternative.					
TAXA GROUP <i>Species</i>	<i>Note:</i> Where taxon has more than one name indicated, first name is current accepted name, second one (in parentheses) is name used in NFP (Table C-3).	Category by Alternative			
		No-Action	Alt. 1	Alt. 2	Alt. 3
LICHENS (continued)					
<i>Calicium abietinum</i>		4	1B	2B	3A
<i>Calicium adaequatum</i>		4	Off ²	Off ²	Off ²
<i>Calicium adspersum</i>		4	1E	2C	3A
<i>Calicium glaucellum</i>		4	1F	2D	3C
<i>Calicium viride</i>		4	1F	2D	3C
<i>Cetrelia cetrarioides</i>		4	1E	2C	3A
<i>Chaenotheca brunneola</i>		4	Off ²	Off ²	Off ²
<i>Chaenotheca chrysocephala</i>		4	1B	2B	3A
<i>Chaenotheca ferruginea</i>		4	1B	2B	3A
<i>Chaenotheca furfuracea</i>		4	1F	2D	3C
<i>Chaenotheca subroscida</i>		4	1E	2C	3A
<i>Chaenothecopsis pusilla</i> (syn. <i>Chaenothecopsis subpusilla</i> , <i>Calcium asikkalense</i> , <i>Calcium floerkei</i> , <i>Calcium pusillum</i> , <i>Calcium subpusillum</i>)		4	1E	2C	3A
<i>Cladonia norvegica</i>		3	1B	2B	3A
<i>Collema nigrescens</i> in OR Klamath, CA Klamath, and CA Coast Physiographic Provinces		4	Off	Off	Off
<i>Collema nigrescens</i> , in WA and OR, except in OR Klamath Physiographic Province		4	1F	2D	3C
<i>Cyphelium inquinans</i>		4	Off ²	Off ²	Off ²
<i>Dendroscopaulon intricatulum</i>		1, 3	1B	2B	3A
<i>Dermatocarpon luridum</i>		1, 3	1B	2B	3A
<i>Erioderma sorediatum</i>		1, 3	Off ²	Off ²	Off ²
<i>Heterodermia leucomelos</i> (syn. <i>Anaptychia leucomelaena</i> , <i>Heterodermia leucomelaena</i>)		1, 3	Off ²	Off ²	Off ²
<i>Heterodermia sitchensis</i>		3	1E	2C	3A
<i>Hydrothyria venosa</i>		1, 3	Off	Off	Off
<i>Hypogymnia duplicata</i> (syn. <i>Hypogymnia elongata</i>)		1, 2, 3	1A	2A	3A
<i>Hypogymnia oceanica</i>		1, 3	1F	2D	3C
<i>Hypogymnia vittata</i> (<i>Hygomnia vittata</i>)		3	1E	2C	3A
<i>Hypotrachyna revoluta</i> (syn. <i>Parmelia revoluta</i>)		3	1E	2C	3A
<i>Kaernefeltia californica</i> (<i>Cetraria californica</i>)		1, 3	Off ²	Off ²	Off ²
<i>Leioderma sorediatum</i>		1, 3	Off ²	Off ²	Off ²

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TAXA GROUP <i>Species</i>	<i>Note:</i> Where taxon has more than one name indicated, first name is current accepted name, second one (in parentheses) is name used in NFP (Table C-3).	Category by Alternative			
		No-Action	Alt. 1	Alt. 2	Alt. 3
LICHENS (continued)					
<i>Leptogium brebissonii</i>		1, 3	Off ²	Off ²	Off ²
<i>Leptogium burnetiae</i> var. <i>hirsutum</i> (syn. <i>Leptogium hirsutum</i>)		4	1A	2A	3A
<i>Leptogium cyanescens</i>		4	1A	2A	3A
<i>Leptogium rivale</i>		1, 3	1B	2B	3A
<i>Leptogium saturninum</i>		4	Off ²	Off ²	Off ²
<i>Leptogium teretiusculum</i>		4	1E	2C	3A
<i>Lobaria hallii</i>		1, 3	Off	Off	Off
<i>Lobaria linita</i>		1, 2, 3	1A	2A	3A
<i>Lobaria oregana</i> , In Oregon and Washington		4	Off	Off	Off
<i>Lobaria oregana</i> , In California		4	1A	2A	3A
<i>Lobaria pulmonaria</i>		4	Off	Off	Off
<i>Lobaria scrobiculata</i>		4	Off	Off	Off
<i>Loxosporopsis corallifera</i> (<i>Loxospora</i> sp. nov. “ <i>corallifera</i> ”)		1, 3	Off	Off	Off
<i>Microcalicium arenarium</i>		4	1B	2B	3A
<i>Mycocalicium subtile</i>		4	Off ²	Off ²	Off ²
<i>Nephroma bellum</i>		4	1F	2D	3C
<i>Nephroma helveticum</i>		4	Off	Off	Off
<i>Nephroma isidiosum</i>		3	1E	2C	3A
<i>Nephroma laevigatum</i>		4	Off	Off	Off
<i>Nephroma occultum</i>		1, 3	1B	2B	3A
<i>Nephroma parile</i>		4	Off	Off	Off
<i>Nephroma resupinatum</i>		4	Off	Off	Off
<i>Niebla cephalota</i> (syn. <i>Desmazieria cephaolta</i> , <i>Ramalina cephalota</i>)		1, 3	1A	2A	3A
<i>Pannaria leucostictoides</i>		4	Off	Off	Off
<i>Pannaria mediterranea</i>		4	Off	Off	Off
<i>Pannaria rubiginosa</i>		1, 3	1E	2C	3A
<i>Pannaria saubinetii</i>		4	1F	2D	3C
<i>Peltigera collina</i>		4	Off	Off	Off
<i>Peltigera neckeri</i>		4	Off ²	Off ²	Off ²
<i>Peltigera pacifica</i>		4	1E	2C	3A
<i>Pilophorus nigricaulis</i>		1, 3	Off ²	Off ²	Off ²

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		No-Action	Alt. 1	Alt. 2	Alt. 3
LICHENS (continued)					
<i>Platismatia lacunosa</i>		4	1C	2D	3B
<i>Pseudocyphellaria anomala</i>		4	Off	Off	Off
<i>Pseudocyphellaria anthraxis</i>		4	Off	Off	Off
<i>Pseudocyphellaria crocata</i>		4	Off	Off	Off
<i>Pseudocyphellaria</i> sp. 1 (<i>Pseudocyphellaria mougeotiana</i>)		1, 3	1B	2B	3A
<i>Pseudocyphellaria rainierensis</i>		1, 2, 3	1A	2A	3A
<i>Pyrrhospora quernea</i> (syn. <i>Lecidea quernea</i> , <i>Protoblastenia quernea</i>)		1, 3	1E	2C	3A
<i>Ramalina pollinaria</i>		3	1E	2C	3A
<i>Ramalina thrausta</i>		4	1A	2A	3A
<i>Stenocybe clavata</i>		4	1E	2C	3A
<i>Stenocybe major</i>		4	Off ²	Off ²	Off ²
<i>Sticta arctica</i>		1, 3	Off ²	Off ²	Off ²
<i>Sticta beauvoisii</i>		4	Off	Off	Off
<i>Sticta fuliginosa</i>		4	Off	Off	Off
<i>Sticta limbata</i>		4	Off	Off	Off
<i>Teloschistes flavicans</i>		1, 3	1A	2A	3A
<i>Tholurna dissimilis</i> , south of Columbia River		1, 3	1B	2B	3A
<i>Tholurna dissimilis</i> , north of Columbia River		1, 3	Off	Off	Off
<i>Usnea hesperina</i>		1, 3	1B	2B	3A
<i>Usnea longissima</i> , In California and in Curry, Josephine, and Jackson Counties, Oregon		4	1A	2A	3A
<i>Usnea longissima</i> , In Oregon, except in Curry, Josephine, and Jackson Counties and in Washington		4	1F	2D	3C
BRYOPHYTES					
<i>Antitrichia curtipendula</i>		4	Off	Off	Off
<i>Bartramiopsis lescurii</i>		1, 3	Off ²	Off ²	Off ²
<i>Brotherella roellii</i>		1, 3, PB	1E	2C	3A
<i>Buxbaumia viridis</i>		PB	1D ¹	2D	3B ¹
<i>Diplophyllum albicans</i>		1, 3	1D	2D	3B
<i>Diplophyllum plicatum</i>		1, 2	1B	2B	3A
<i>Douinia ovata</i>		4	Off ²	Off ²	Off ²
<i>Encalypta brevicolla</i> v. <i>crumiana</i>		1, 3	1B	2B	3A

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		No-Action	Alt. 1	Alt. 2	Alt. 3
BRYOPHYTES (continued)					
<i>Herbertus aduncus</i>		1, 3	1B	2B	3A
<i>Herbertus sakuraii</i>		1, 3	Off ²	Off ²	Off ²
<i>Iwatsukiella leucotricha</i>		1, 3	1B	2B	3A
<i>Kurzia makinoana</i>		1, 2	1B	2B	3A
<i>Marsupella emarginata</i> v. <i>aquatica</i>		1, 2	1B	2B	3A
<i>Orthodontium gracile</i>		1, 3	1B	2B	3A
<i>Plagiochila satoi</i>		1, 3	Off	Off	Off
<i>Plagiochila semidecurrens</i>		1, 3	Off ²	Off ²	Off ²
<i>Pleuroziopsis ruthenica</i>		1, 3	Off	Off	Off
<i>Ptilidium californicum</i> , In California		1, 2, PB	1A	2A	3A
<i>Ptilidium californicum</i> , In Oregon and Washington		1, 2, PB	Off	Off	Off
<i>Racomitrium aquaticum</i>		1, 3	1B	2B	3A
<i>Radula brunnea</i>		1, 3	Off ²	Off ²	Off ²
<i>Rhizomnium nudum</i>		PB	1B	2B	3A
<i>Schistostega pennata</i>		PB	1A	2A	3A
<i>Scouleria marginata</i>		4	Off ²	Off ²	Off ²
<i>Tetraphis geniculata</i>		1, 3, PB	1A	2A	3A
<i>Tritomaria exsectiformis</i>		1, 2	1B	2B	3A
<i>Tritomaria quinquedentata</i>		1, 3	1B	2B	3A
<i>Ulota megalospora</i>		PB	Off	Off	Off
VERTEBRATES					
Del Norte salamander <i>Plethodon elongatus</i>		2, PB	1D ¹	2D	3B ¹
Larch Mountain salamander <i>Plethodon larselli</i>		2, PB	1A	2A	3A
Shasta salamander <i>Hydromantes shastae</i>		1, 2, PB	1A	2A	3A
Siskiyou Mountains salamander <i>Plethodon stormi</i>		1, 2, PB	1C	2D	3B
Van Dyke's salamander <i>Plethodon vandykei</i> (Cascade population only)		2	1A	2A	3A
Great Gray Owl <i>Strix nebulosa</i>		PB	1C	2D	3B
Oregon Red Tree Vole <i>Arborimus longicaudus</i>		2	1C	2D	3B
MOLLUSKS					
<i>Ancotrema voyanum</i>		PG	1E	2C	3A
<i>Cryptomastix devia</i>		1, 2	1A	2A	3A
<i>Cryptomastix hendersoni</i>		1, 2	1A	2A	3A

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		No-Action	Alt. 1	Alt. 2	Alt. 3
MOLLUSKS (continued)					
<i>Deroceras hesperium</i>		1, 2	1B	2B	3A
<i>Fluminicola</i> n. sp. 1		1, 2, PG	1A	2A	3A
<i>Fluminicola</i> n. sp. 2		1, 2	1A	2A	3A
<i>Fluminicola</i> n. sp. 3		1, 2, PG	1A	2A	3A
<i>Fluminicola</i> n. sp. 11		1, 2, PG	1A	2A	3A
<i>Fluminicola</i> n. sp. 14		1, 2	1A	2A	3A
<i>Fluminicola</i> n. sp. 15		1, 2	1A	2A	3A
<i>Fluminicola</i> n. sp. 16		1, 2	1A	2A	3A
<i>Fluminicola</i> n. sp. 17		1, 2	1A	2A	3A
<i>Fluminicola</i> n. sp. 18		1, 2	1A	2A	3A
<i>Fluminicola</i> n. sp. 19		1, 2, PG	1A	2A	3A
<i>Fluminicola</i> n. sp. 20		1, 2, PG	1A	2A	3A
<i>Fluminicola seminalis</i>		1, 2, PG	1A	2A	3A
<i>Helminthoglypta hertleini</i>		1, 2	1B	2B	3A
<i>Helminthoglypta talmadgei</i>		1, 2	1A	2A	3A
<i>Hemphillia burringtoni</i> (<i>Hemphillia</i> “barringtoni”)		1, 2	1A	2A	3A
<i>Hemphillia glandulosa</i>		1, 2	1C	2D	3B
<i>Hemphillia malonei</i>		1, 2	1C	2D	3B
<i>Hemphillia pantherina</i>		1, 2	1B	2B	3A
<i>Juga</i> (<i>O</i>) n. sp. 2		1, 2	1A	2A	3A
<i>Juga</i> (<i>O</i>) n. sp. 3		1, 2	1A	2A	3A
<i>Lyogyrus</i> n. sp. 1		1, 2	1A	2A	3A
<i>Lyogyrus</i> n. sp. 2		1, 2	1A	2A	3A
<i>Lyogyrus</i> n. sp. 3		1, 2	1A	2A	3A
<i>Megomphix hemphilli</i> , South of south boundary of Lincoln, Benton, and Linn Counties, Oregon		1, 2	1F	2D	3C
<i>Megomphix hemphilli</i> , North of south boundary of Lincoln, Benton, and Linn Counties, Oregon		1,2	1A	2A	3A
<i>Monadenia chaceana</i>		1, 2	1B	2B	3A
<i>Monadenia churchi</i>		1, 2	1F	2D	3C
<i>Monadenia fidelis klamathica</i>		PG	1B	2B	3A
<i>Monadenia fidelis minor</i>		1, 2	1A	2A	3A
<i>Monadenia fidelis ochromphalus</i>		PG	1B	2B	3A
<i>Monadenia troglodytes troglodytes</i>		1, 2	1A	2A	3A
<i>Monadenia troglodytes wintu</i>		1, 2	1A	2A	3A
<i>Oreohelix</i> n. sp.		1, 2	1A	2A	3A

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		No-Action	Alt. 1	Alt. 2	Alt. 3
MOLLUSKS (continued)					
<i>Pristoloma articum crateris</i>		1, 2, PG	1B	2B	3A
<i>Prophysaon coeruleum</i> , In California and Washington		1, 2	1A	2A	3A
<i>Prophysaon coeruleum</i> , In Oregon		1, 2	Off	Off	Off
<i>Prophysaon dubium</i>		1, 2	Off	Off	Off
<i>Trilobopsis roperi</i>		1, 2	1A	2A	3A
<i>Trilobopsis tehamana</i>		1, 2	1A	2A	3A
<i>Vertigo</i> n. sp.		1, 2	1A	2A	3A
<i>Vespericola pressleyi</i>		1, 2	1A	2A	3A
<i>Vespericola shasta</i>		1, 2	1A	2A	3A
<i>Vorticifex klamathensis sinitsini</i>		1, 2	1E	2C	3A
<i>Vorticifex</i> n. sp. 1		1, 2	1E	2C	3A
VASCULAR PLANTS					
<i>Allotropa virgata</i>		1, 2	Off	Off	Off
<i>Arceuthobium tsugense mertensianae</i> (Washington only)		4	1F	2D	3C
<i>Bensoniella oregana</i> (California only)		1, 2	1A	2A	3A
<i>Botrychium minganense</i> , In Oregon and California		1, 2	1A	2A	3A
<i>Botrychium minganense</i> , Washington		1, 2	Off	Off	Off
<i>Botrychium montanum</i>		1, 2	1A	2A	3A
<i>Clintonia andrewsiana</i>		1, 2	Off	Off	Off
<i>Coptis asplenifolia</i>		1, 2	1A	2A	3A
<i>Coptis trifolia</i>		1, 2	1A	2A	3A
<i>Corydalis aquae-gelidae</i>		1, 2	1C	2D	3B
<i>Cypripedium fasciculatum</i> (entire range)		1, 2	1C	2D	3B
<i>Cypripedium montanum</i> (entire range)		1, 2	1C	2D	3B
<i>Eucephalus vialis</i> (<i>Aster vialis</i>)		1, 2	1A	2A	3A
<i>Galium kamtschaticum</i> , Olympic Peninsula, WA Eastern Cascades, OR & WA Western Cascades Physiographic Provinces, south of Snoqualmie Pass		1, 2	1A	2A	3A
<i>Galium kamtschaticum</i> , WA Western Cascades Physiographic Province, north of Snoqualmie Pass		1, 2	Off	Off	Off
<i>Pedicularis howellii</i>		1, 2, PG	Off ²	Off ²	Off ²
<i>Platanthera orbiculata</i> var. <i>orbiculata</i> (<i>Habenaria orbiculata</i>)		1, 2	1C	2D	3B
<i>Scoliopus bigelovii</i>		1, 2	Off	Off	Off

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		No-Action	Alt. 1	Alt. 2	Alt. 3
ARTHROPODS					
Canopy herbivores (south range)		4	1F	2D	3C
Coarse wood chewers (south range)		4	1F	2D	3C
Litter and soil dwelling species (south range)		4	1F	2D	3C
Understory and forest gap herbivores (south range)		4	1F	2D	3C
¹ Although Pre-disturbance Surveys are deemed practical for this species, continuing these surveys is not necessary in order to meet management objectives (see Chapter 2 discussion).					
² These species are proposed for removal from Survey and Manage only because they are not closely associated with late-successional or old-growth forests. They are already on, or are currently being considered for, the special status species programs of the Agencies. Known sites for these species will be managed until their disposition is clarified in the special status species consideration.					
<i>Abbreviations:</i> PB = Protection Buffer S&G = Standard and Guideline PG = Protect From Grazing					

Table 2-4. Species To Be Removed From Survey and Manage/Protection Buffer/Protect From Grazing Standards and Guidelines Throughout Their NFP Range in Alternatives 1, 2, and 3.		
TAXA GROUP <i>Species</i>	Current Categories/ No-Action Alternative	Factors From 3 Basic Criteria Justifying Removal of Species From Survey and Manage/Protection Buffer/Protect From Grazing Standard and Guidelines
FUNGI		
<i>Bryoglossum gracile</i> ¹	1, 3	Not closely associated with late-successional or old-growth forest; associated with subalpine meadows and boulder fields. Large areas of potential habitat protected.
<i>Cantbarellus cibarius</i>	3, 4	This species does not occur in Northwest Forest Plan area.
<i>Cantbarellus formosus</i>	1, 3	Not closely associated with late-successional or old-growth forest; most abundant in younger forest. Common.
<i>Clavariadelphus borealis</i>	3, 4	Not a distinct taxonomic entity, synonymous with <i>Clavariadelphus truncatus</i> , which is also a Survey and Manage Species.
<i>Clavariadelphus lovejoyae</i>	3, 4	Not in Northwest Forest Plan area; this species is known only from Wyoming.
<i>Clavicornia piperata</i> (<i>Clavicornia avellanea</i>)	3	Synonymous with <i>Clavicornia piperata</i> , which passed the original FEMAT screens (the Northwest Forest Plan provides a reasonable assurance of species persistence).
<i>Clavulina cinerea</i>	3, 4	Synonymous with <i>Clavulina cristata</i> which is also a Survey and Manage Species. See <i>Clavulina cristata</i> .
<i>Clavulina cristata</i> (syn. <i>C. cinerea</i>)	3, 4	Considered a common species. Not closely associated with late-successional or old-growth forest.
<i>Helvella compressa</i>	1, 3	Not closely associated with late-successional or old-growth forest; frequent in younger forests and highly disturbed sites.
<i>Hydnum repandum</i>	3	Moderate/high number of total sites in Northwest Forest Plan area (even with lack of pre-disturbance survey requirement), under-reported. High proportion of sites and likelihood of habitat in protected land allocations. Well distributed in most of its range, broad habitat requirements.
<i>Martellia maculata</i> (<i>Elaphomyces</i> sp. nov. #Trappe 1038)	1, 3	This species is the correct name for what was thought to be an undescribed species (<i>Elaphomyces</i> sp. nov. #Trappe 1038). <i>Martellia maculata</i> passed FEMAT screens as adequately provided for in Northwest Forest Plan.

Table 2-4. Species To Be Removed From Survey and Manage/Protection Buffer/Protect From Grazing Standards and Guidelines Throughout Their NFP Range in Alternatives 1, 2, and 3.		
TAXA GROUP <i>Species</i>	Current Categories/ No-Action Alternative	Factors From 3 Basic Criteria Justifying Removal of Species From Survey and Manage/Protection Buffer/Protect From Grazing Standard and Guidelines
FUNGI (continued)		
<i>Martellia monticola</i>	1, 3	Not known to occur within Northwest Forest Plan area.
<i>Omphalina ericetorum</i> (<i>Phytoconis ericetorum</i>)	3, 4	Low/moderate number of recent Federal sites (even with lack of pre-disturbance survey requirement), more common than thought. Well distributed. Habitat variable and very common. Moderate proportion of sites and likelihood of habitat in protected land allocations. Reserves and provisions of the Northwest Forest Plan provide for a reasonable assurance of species persistence.
<i>Phaeocollybia carmanabensis</i>	1, 3	Synonymous with <i>Phaeocollybia oregonensis</i> , which is also a Survey and Manage Species.
<i>Rhizopogon parksii</i> (<i>Rhizopogon</i> sp. nov. #Trappe1692; <i>Rhizopogon</i> sp. nov. #Trappe 1698)	1, 3	Not closely associated with late-successional or old-growth forest. Well distributed, very common.
<i>Thaxterogaster pingue</i>	3	Moderate number of total sites in Northwest Forest Plan area (even with lack of pre-disturbance survey requirement). Widespread, locally abundant. Potential high-elevation habitat, mostly in protected land allocations. High proportion of sites and likelihood of habitat in protected land allocations. Reserves and provisions of the Northwest Forest Plan provide for a reasonable assurance of species persistence.
LICHENS		
<i>Calicium adaequatum</i> ¹	4	Not closely associated with late-successional or old-growth forest.
<i>Chaenotheca brunneola</i> ¹	4	Not closely associated with late-successional or old-growth forest.
<i>Cypbelium inquinans</i> ¹	4	Not closely associated with late-successional or old-growth forest.
<i>Erioderma sorediatum</i> ¹	1, 3	Not closely associated with late-successional or old-growth forest.
<i>Heteroderma leucomelos</i> (syn. <i>Anaptychia leucomelaena</i> , <i>Heteroderma leucomelaena</i>) ¹	1, 3	Not closely associated with late-successional or old-growth forest.

Table 2-4. Species To Be Removed From Survey and Manage/Protection Buffer/Protect From Grazing Standards and Guidelines Throughout Their NFP Range in Alternatives 1, 2, and 3.

TAXA GROUP Species	Current Categories/ No-Action Alternative	Factors From 3 Basic Criteria Justifying Removal of Species From Survey and Manage/Protection Buffer/Protect From Grazing Standard and Guidelines
LICHENS (continued)		
<i>Hydrothyria venosa</i>	1, 3	Moderate/high number of recent Federal sites in Northwest Forest Plan area (even with lack of pre-disturbance survey requirement). High proportion of sites in protected land allocations. Well distributed. Reserves and provisions, including riparian reserves and Aquatic Conservation Strategy objectives, of the Northwest Forest Plan provide for a reasonable assurance of species persistence.
<i>Kaernefeltia californica</i> (<i>Cetraria californica</i>) ¹	1, 3	Not closely associated with late-successional or old-growth forest.
<i>Leioderma solediatum</i> ¹	1, 3	Not closely associated with late-successional or old-growth forest.
<i>Leptogium brebissonii</i> ¹	1, 3	Not closely associated with late-successional or old-growth forest.
<i>Leptogium saturninum</i> ¹	4	Not closely associated with late-successional or old-growth forest.
<i>Lobaria hallii</i>	1, 3	High number of recent Federal sites in Northwest Forest Plan area. Not closely associated with late-successional or old-growth forest. Moderate proportion of sites in protected land allocations. Some air quality concerns remain but these are beyond the purview of Northwest Forest Plan; air quality managed under other laws.
<i>Lobaria pulmonaria</i>	4	Very high number of recent Federal sites in Northwest Forest Plan area. Well distributed. High proportion of sites and moderate likelihood of habitat in protected land allocations. Some air quality concerns remain but these are beyond the purview of Northwest Forest Plan; air quality managed under other laws.
<i>Lobaria scrobiculata</i>	4	Not closely associated with late-successional or old-growth forest. Common, widespread.
<i>Loxosporopsis corallifera</i> (<i>Loxospora</i> sp. nov. “ <i>corallifera</i> ”)	1, 3	Not closely associated with late-successional or old-growth forest. Widespread.
<i>Mycocalicium subtile</i> ¹	4	Not closely associated with late-successional or old-growth forest.

Table 2-4. Species To Be Removed From Survey and Manage/Protection Buffer/Protect From Grazing Standards and Guidelines Throughout Their NFP Range in Alternatives 1, 2, and 3.		
TAXA GROUP <i>Species</i>	Current Categories/ No-Action Alternative	Factors From 3 Basic Criteria Justifying Removal of Species From Survey and Manage/Protection Buffer/Protect From Grazing Standard and Guidelines
LICHENS (continued)		
<i>Nephroma helveticum</i>	4	High number of recent Federal sites in Northwest Forest Plan area. Well distributed. High proportion of sites and high likelihood of habitat in protected land allocations. Some air quality concerns remain but these are beyond the purview of Northwest Forest Plan; air quality managed under other laws.
<i>Nephroma laevigatum</i>	4	High number of recent Federal sites in Northwest Forest Plan area. Well distributed. High proportion of sites and moderate likelihood of habitat in protected land allocations. Reserves and provisions of the Northwest Forest Plan provide for a reasonable assurance of species persistence. Some air quality concerns remain but these are beyond the purview of Northwest Forest Plan; air quality managed under other laws.
<i>Nephroma parile</i>	4	Not closely associated with late-successional or old-growth forest. High proportion of sites and moderate likelihood of habitat in protected land allocations. Reserves and provisions of the Northwest Forest Plan provide for a reasonable assurance of species persistence. Some air quality concerns remain but these are beyond the purview of Northwest Forest Plan; air quality managed under other laws.
<i>Nephroma resupinatum</i>	4	Not closely associated with late-successional or old-growth forest. Well distributed. Moderate proportion of sites and likelihood of habitat in protected land allocations. Reserves and provisions of the Northwest Forest Plan provide for a reasonable assurance of species persistence. Some air quality concerns remain but these are beyond the purview of Northwest Forest Plan; air quality managed under other laws.

Table 2-4. Species To Be Removed From Survey and Manage/Protection Buffer/Protect From Grazing Standards and Guidelines Throughout Their NFP Range in Alternatives 1, 2, and 3.		
TAXA GROUP <i>Species</i>	Current Categories/ No-Action Alternative	Factors From 3 Basic Criteria Justifying Removal of Species From Survey and Manage/Protection Buffer/Protect From Grazing Standard and Guidelines
LICHENS (continued)		
<i>Pannaria leucostictoides</i>	4	Not closely associated with late-successional or old-growth forest. Well distributed. High proportion of sites and likelihood of habitat in protected land allocations. Reserves and provisions of the Northwest Forest Plan provide for a reasonable assurance of species persistence. Some air quality concerns remain but these are beyond the purview of Northwest Forest Plan; air quality managed under other laws.
<i>Pannaria mediterranea</i>	4	Not closely associated with late-successional or old-growth forest. Reserves and provisions of the Northwest Forest Plan provide for a reasonable assurance of species persistence. Some air quality concerns remain but these are beyond the purview of Northwest Forest Plan; air quality managed under other laws.
<i>Peltigera collina</i>	4	Not closely associated with late-successional or old-growth forest. Some air quality concerns remain but these are beyond the purview of Northwest Forest Plan; air quality managed under other laws.
<i>Peltigera neckeri</i> ¹	4	Not closely associated with late-successional or old-growth forest. Some air quality concerns remain but these are beyond the purview of Northwest Forest Plan; air quality managed under other laws.
<i>Pilophorus nigricaulis</i> ¹	1, 3	Not closely associated with late-successional or old-growth forest.
<i>Pseudocyphellaria anomala</i>	4	High number of recent Federal sites in Northwest Forest Plan area. Well distributed. High proportion of sites and moderate likelihood of habitat in protected land allocations. Reserves and provisions of the Northwest Forest Plan provide for a reasonable assurance of species persistence. Some air quality concerns remain but these are beyond the purview of Northwest Forest Plan; air quality managed under other laws.

Table 2-4. Species To Be Removed From Survey and Manage/Protection Buffer/Protect From Grazing Standards and Guidelines Throughout Their NFP Range in Alternatives 1, 2, and 3.		
TAXA GROUP <i>Species</i>	Current Categories/ No-Action Alternative	Factors From 3 Basic Criteria Justifying Removal of Species From Survey and Manage/Protection Buffer/Protect From Grazing Standard and Guidelines
LICHENS (continued)		
<i>Pseudocyphellaria anthraspis</i>	4	Very high number of recent Federal sites in Northwest Forest Plan area. Well distributed. High proportion of sites and moderate likelihood of habitat in protected land allocations. Reserves and provisions of the Northwest Forest Plan provide for a reasonable assurance of species persistence. Some air quality concerns remain but these are beyond the purview of Northwest Forest Plan; air quality managed under other laws.
<i>Pseudocyphellaria crocata</i>	4	High number of recent Federal sites in Northwest Forest Plan area. Well distributed. High proportion of sites and moderate likelihood of habitat in protected land allocations. Reserves and provisions of the Northwest Forest Plan provide for a reasonable assurance of species persistence. Some air quality concerns remain but these are beyond the purview of Northwest Forest Plan; air quality managed under other laws.
<i>Stenocybe major</i> ¹	4	Not closely associated with late-successional or old-growth forest.
<i>Sticta arctica</i> ¹	1, 3	Not closely associated with late-successional or old-growth forest.
<i>Sticta beauvoisii</i>	4	This species does not occur in the Northwest Forest Plan area. The taxa referred to under this name is probably <i>Sticta weigeli</i> that passed the FEMAT screens for being protected by the Northwest Forest Plan.
<i>Sticta fuliginosa</i>	4	High number of recent Federal sites in Northwest Forest Plan area. Well distributed, broad habitat. High proportion of sites and moderate likelihood of habitat in protected land allocations. Reserves and provisions of the Northwest Forest Plan provide for a reasonable assurance of species persistence. Some air quality concerns remain but these are beyond the purview of Northwest Forest Plan; air quality managed under other laws.

Table 2-4. Species To Be Removed From Survey and Manage/Protection Buffer/Protect From Grazing Standards and Guidelines Throughout Their NFP Range in Alternatives 1, 2, and 3.		
TAXA GROUP <i>Species</i>	Current Categories/ No-Action Alternative	Factors From 3 Basic Criteria Justifying Removal of Species From Survey and Manage/Protection Buffer/Protect From Grazing Standard and Guidelines
LICHENS (continued)		
<i>Sticta limbata</i>	4	Moderate/high number of recent Federal sites in Northwest Forest Plan area. Well distributed, broad habitat. High proportion of sites and moderate likelihood of habitat in protected land allocations. Reserves and provisions of the Northwest Forest Plan provide for a reasonable assurance of species persistence. Some air quality concerns remain but these are beyond the purview of Northwest Forest Plan; air quality managed under other laws.
BRYOPHYTES		
<i>Antitrichia curtipendula</i>	4	High number of recent Federal sites in Northwest Forest Plan area (even with lack of pre-disturbance survey requirement) under-reported. Well distributed, broad habitat. High proportion of sites and moderate likelihood of habitat in protected land allocations. Reserves and provisions of the Northwest Forest Plan likely to provide for a reasonable assurance of species persistence.
<i>Bartramioopsis lescurei</i> ¹	1, 3	Not closely associated with late-successional or old-growth forest; rock talus.
<i>Douinia ovata</i> ¹	4	Not closely associated with late-successional or old-growth forest.
<i>Herbertus sakuraii</i> ¹	1, 3	Not closely associated with late-successional or old-growth forest; Saddle Mountain species; North Pacific disjunct; cliff associate.
<i>Plagiochila satoi</i>	1, 3	Now considered part of common and widespread species, <i>Plagiochila asplenioides</i> , that passed FEMAT screens as adequately provided for in Northwest Forest Plan.
<i>Plagiochila semidecurrens</i> ¹	1, 3	Not closely associated with late-successional or old-growth forest; Saddle Mountain species; North Pacific disjunct; cliff associate.
<i>Pleuroziopsis rutbenica</i>	1, 3	Highly likely this species does not occur in the Northwest Forest Plan area; only one old site and the identification of this site is very questionable.

Table 2-4. Species To Be Removed From Survey and Manage/Protection Buffer/Protect From Grazing Standards and Guidelines Throughout Their NFP Range in Alternatives 1, 2, and 3.		
TAXA GROUP <i>Species</i>	Current Categories/ No-Action Alternative	Factors From 3 Basic Criteria Justifying Removal of Species From Survey and Manage/Protection Buffer/Protect From Grazing Standard and Guidelines
BRYOPHYTES (continued)		
<i>Radula brunnea</i> ¹	1, 3	Not closely associated with late-successional or old-growth forest; Saddle Mountain species; North Pacific disjunct; cliff associate.
<i>Scouleria marginata</i> ¹	4	Not closely associated with late-successional or old-growth forest.
<i>Ulotia megalospora</i>	PB	Not closely associated with late-successional or old-growth forest. Common.
MOLLUSKS		
<i>Prophysaon dubium</i>	1, 2	High number of recent Federal sites in Northwest Forest Plan area. Widespread distribution and habitat. Broad ecological amplitude. Moderate likelihood of habitat in protected land allocations. Likelihood of habitat in Late Successional Reserves and Riparian Reserves probably high.
VASCULAR PLANTS		
<i>Allotropa virgata</i>	1, 2	High number of recent Federal sites in Northwest Forest Plan area. Well distributed. Moderate proportion of sites and high likelihood of habitat in protected land allocations. Reserves and provisions of the Northwest Forest Plan provide for a reasonable assurance of species persistence.
<i>Clintonia andrewsiana</i>	1, 2	Not closely associated with late-successional or old-growth forest. 97% probability of Outcome A and B in FEMAT.
<i>Pedicularis howellii</i> ¹	1, 2, PG	Not closely associated with late-successional or old-growth forest.
<i>Scoliopus bigelovii</i>	1, 2	Low number of recent Federal sites in Northwest Forest Plan area, but considered too common to survey for, so very under-reported. Not closely associated with late-successional or old-growth forest. Protected in Redwood National Park. Moderate proportion of sites and high likelihood of habitat in protected land allocations. Reserves and provisions of the Northwest Forest Plan provide for a reasonable assurance of species persistence.
¹ These species are already on, or are currently being considered for, the Agencies' special status species programs. Known sites for these species will be managed until their disposition is clarified in the special status species consideration. <u>Note:</u> Where taxa has two names, first name is current accepted name and second one in parenthesis is name used in Northwest Forest Plan (Table C-3). <u>Abbreviations:</u> PB = Protection Buffer PG = Protect From Grazing FEMAT = Forest Ecosystem Management Assessment Team		

Table 2-5. Species to be Removed From Survey and Manage/Protection Buffer Standards and Guidelines in Part of Their Ranges in Alternatives 1, 2, and 3.

TAXA GROUP Species	Current Categories/ No Action Alternative	Factors For Proposing Reduced Ranges Within Survey And Manage
FUNGI		
<i>Gomphus floccosus</i> , In Oregon and Washington	3	High number of total sites in Northwest Forest Plan area (even with lack of pre-disturbance survey requirement); high proportion of sites and likelihood of habitat in protected land allocations; well distributed in most of its range; reserves and provisions of the Northwest Forest Plan provide for a reasonable assurance of species persistence.
<i>Sarcosoma mexicanum</i> , All of Oregon, except Curry and Josephine Counties	3, PB	High number of total sites in this portion of the Northwest Forest Plan area; found routinely in young stands; well distributed; moderate proportion of sites and likelihood of habitat in protected land allocations.
LICHENS		
<i>Collema nigrescens</i> , In OR Klamath, CA Klamath, and CA Coast Physiographic Provinces	4	High number of recent Federal sites in Northwest Forest Plan area; well distributed; high proportion of sites and moderate likelihood of habitat in protected land allocations.
<i>Lobaria oregana</i> , In Oregon and Washington	4	High number of recent Federal sites in this portion of the Northwest Forest Plan area; well distributed; high likelihood of habitat in protected land allocations; some air quality concerns remain but these are beyond the purview of Northwest Forest Plan; air quality managed under other laws.
<i>Tholurna dissimilis</i> , north of Columbia River	1, 3	Low number of recent Federal sites in Northwest Forest Plan area, but habitat is very poorly surveyed and difficult to locate without focused surveys; most sites and high elevation habitat is within protected land allocations; reserves and provisions of the Northwest Forest Plan provide for a reasonable assurance of species persistence.
BRYOPHYTES		
<i>Ptilidium californicum</i> , In Washington and Oregon	1, 2, PB	High number of recent Federal sites in this portion of the Northwest Forest Plan area; this portion of the range was not indicated of concern by FEMAT process; Northwest Forest Plan was considered to provide for a reasonable assurance of species persistence.

Table 2-5. Species to be Removed From Survey and Manage/Protection Buffer Standards and Guidelines in Part of Their Ranges in Alternatives 1, 2, and 3.		
TAXA GROUP <i>Species</i>	Current Categories/ No Action Alternative	Factors For Proposing Reduced Ranges Within Survey And Manage
MOLLUSKS		
<i>Prophysaon coeruleum</i> , In Oregon	1, 2	High number of recent Federal sites in this portion of the Northwest Forest Plan area; habitat relatively common, broad habitat requirements; likelihood of habitat in Late Successional Reserves and Riparian Reserves probably high.
VASCULAR PLANTS		
<i>Botrychium minganense</i> , In Washington	1, 2	Reserves and provisions of the Northwest Forest Plan provide for a reasonable assurance of species persistence. High proportion of sites in protected land allocations.
<i>Galium kamtschaticum</i> , WA Western Cascades Physiographic Province, north of Snoqualmie Pass	1, 2	Low/moderate number of recent Federal sites in Northwest Forest Plan area; high proportion of sites and high likelihood of habitat in protected land allocations; reserves and provisions of the Northwest Forest Plan provide for a reasonable assurance of species persistence.
<u>Abbreviations:</u> PB = Protection Buffer FEMAT = Forest Ecosystem Management Assessment Team		

Table 2-6. Placement of “Protection Buffer” Species In Each Alternative.				
TAXA GROUP <i>Protection Buffer Species</i>	Planning Alternative			
	No-Action (Current Situation) Protection Buffer Type/Survey & Manage Categories	Alternative 1 Move to Survey & Manage Category	Alternative 2 Move to Survey & Manage Category	Alternative 3 Move to Survey & Manage Category
FUNGI				
<i>Otidea leporina</i>	LSR/3	1B	2B	3A
<i>Otidea onotica</i>	LSR/3	1F	2D	3C
<i>Otidea smithii</i>	LSR/1 and 3	1B	2B	3A
<i>Polyozellus multiplex</i>	MLSA/1 and 3	1B	2B	3A
<i>Sarcosoma mexicanum</i> , Oregon, except Curry and Josephine Counties	MLSA/3	Off	Off	Off
<i>Sarcosoma mexicanum</i> , In Washington and California, and in Curry and Josephine Counties in Oregon	MLSA/3	1F	2D	3C
<i>Sowerbyella rhenana</i> (<i>Aleuria rhenana</i>)	LSR/1 and 3	1B	2B	3A
BRYOPHYTES				
<i>Brotherella roellii</i>	MLSA/1 and 3	1E	2C	3A
<i>Buxbaumia viridis</i>	MLSA/(n/a)	1D	2D	3B
<i>Ptilidium californicum</i> , In Washington and Oregon	LSR/1 and 2	Off	Off	Off
<i>Ptilidium californicum</i> , In California	LSR/1 and 2	1A	2A	3A
<i>Rhizomnium nudum</i>	MLSA/(n/a)	1B	2B	3A
<i>Sbistostega pennata</i>	MLSA/(n/a)	1A	2A	3A
<i>Tetraphis geniculata</i>	MLSA/1 and 3	1A	2A	3A
<i>Ulota meglospora</i>	LSR/(n/a)	Off	Off	Off

Table 2-6. Placement of “Protection Buffer” Species In Each Alternative.				
TAXA GROUP <i>Protection Buffer Species</i>	Planning Alternative			
	No-Action (Current Situation) Protection Buffer Type/Survey & Manage Categories	Alternative 1 Move to Survey & Manage Category	Alternative 2 Move to Survey & Manage Category	Alternative 3 Move to Survey & Manage Category
VERTEBRATES				
Canada Lynx	Matrix and AMA (following schedule for Survey and Manage Category 3)	Move to standard and guideline common to all land allocations, and incorporate existing Conservation Agreements consistent with listing.	Move to standard and guideline common to all land allocations, and incorporate existing Conservation Agreements consistent with listing.	Move to standard and guideline common to all land allocations, and incorporate existing Conservation Agreements consistent with listing.
Del Norte Salamander	MLSA/2	1D	2D	3B
Great Gray Owl	LSR/(n/a)	1C	2D	3B
Larch Mountain Salamander	MLSA/2	1A	2A	3A
Shasta Salamander	LSR/1 and 2	1A	2A	3A
Siskiyou Mountain Salamander	MLSA/1 and 2	1C	2D	3B
White-headed Woodpecker, Black- Backed Woodpecker, Pygmy Nuthatch, and Flammulated Owl	Matrix and AMA	Move to standard and guideline common to all land allocations, and incorporate adaptive management for potential future changes.	Move to standard and guideline common to all land allocations, and incorporate adaptive management for potential future changes.	Move to standard and guideline common to all land allocations, and incorporate adaptive management for potential future changes.
<i>Abbreviations:</i> LSR = Late-Successional Reserve MLSA = Managed Late-Successional Area AMA = Adaptive Management Area				

Table 2-7. Placement of “Protect Sites From Grazing” Species In Each Alternative.				
TAXA GROUP <i>Protect from Grazing Species</i>	Planning Alternative			
	No-Action (Current Situation) Survey & Manage Categories	Alternative 1 Move to Survey & Manage Category	Alternative 2 Move to Survey & Manage Category	Alternative 3 Move to Survey & Manage Category
MOLLUSKS				
<i>Ancotrema voyanum</i>	n/a	1E	2C	3A
<i>Fluminicola</i> n. sp. 1	1 and 2	1A	2A	3A
<i>Fluminicola</i> n. sp. 3	1 and 2	1A	2A	2A
<i>Fluminicola</i> n. sp. 11	1 and 2	1A	2A	3A
<i>Fluminicola</i> n. sp. 19	1 and 2	1A	2A	3A
<i>Fluminicola</i> n. sp. 20	1 and 2	1A	2A	3A
<i>Fluminicola seminalis</i>	1 and 2	1A	2A	3A
<i>Monodenia fidelis klamathica</i>	n/a	1B	2B	3A
<i>Monodenia fidelis ochromphalus</i>	n/a	1B	2B	3A
<i>Pristiloma articum crateris</i>	1 and 2	1B	2B	0.125
VASCULAR PLANTS				
<i>Pedicularis bowellii</i>	1 and 2	Off	Off	Off